

Lassen County Air Pollution Control District

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Susanville, California 96130
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MAJOR FACILITY OPERATING PERMIT

Issued To:
Mount Lassen Power

Site Address:
Lassen County Road A-21
Westwood, CA 96127

Mailing Address:
P O Box 1390
Westwood, CA 96137
916 256 3155

Responsible Official – Steven Swanson, Vice President Western Regional Operations
Facility Contact – Garry Pritchard, Plant Manager

Type of Facility:	Resource Recovery Electric Power Generation
Primary SIC:	4911
Product:	Electric Power

ISSUED BY THE LASSEN COUNTY AIR POLLUTION CONTROL DISTRICT

Craig Hemphill, Air Pollution Control Officer

Date

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I. General Conditions

A. Permit Expiration

This permit to operate shall be valid for a term of 5-years from the date of issuance.

[40 CFR 70.6(a)(2)]

B. Severability

The provisions of this permit are severable, and if any provision of this permit to operate is held invalid, the remainder of this permit shall not be affected.

[40 CFR 70.6(b)(5)] [PSD Permit #NSR 4-2-2, NE 86-01, Condition VII.]

C. Compliance

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

[40 CFR 70.6(a)(6)]

D. Need to halt or reduce activity not a defense.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

[40 CFR 70.6(a)(6)]

E. Modification Revocation, Reopening for Cause

This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[40 CFR 70.6(a)(6)]

F. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.

[40 CFR 70.6(a)(6)]

G. Information and Records Submittal

The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

[40 CFR 70.6(a)(6)]

H. Operating Permit Fees

The permittee shall pay fees in accordance with schedule in Regulation III as approved pursuant to 40 CFR §70.9.

[40 CFR 70.9]

I. Emissions trading and Economic incentives

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit.

[40 CFR 70.6(a)(8)]

J. Right of entry

The Regional Administrator, the head of the State Air Pollution Control Agency, the head of the responsible local air pollution control agency, and/or their authorized representatives, upon the presentation of credentials, shall be permitted:

1. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Permit; and
2. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Permit; and
3. To inspect any equipment, operation, or method required in this Permit; and
4. To sample emissions from the source.

[40 CFR 70.6©(2)] [PSD Permit #NSR 4-2-2, NE 86-01, Condition III.]

K. Sampling Facilities

Permittee shall provide access and adequate and safe facilities for use in sampling to determine compliance with applicable requirements. This includes constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can

be accurately determined by applicable test methods and procedures and providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. The permittee shall provide Safe sampling platform(s); Safe access to sampling platform(s); Utilities for sampling and testing equipment.

[District Rule 2.7-Federally Enforceable Through Title V Permit]

L. Facilities Operation

The equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this permit shall at all times, to the extent practicable, including periods of startup, shutdown, in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition III.]

II. Administrative Requirements: Permits Required

A. Duty to Apply - Authority to Construct

Except as provided in Rule 2:1, any building, erecting, altering or replacing of any article, machine, equipment or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, shall first apply for a permit and obtain authorization for such construction pursuant to Regulation II, Rules 2:0 – 2:11. Such construction may be subject to New Source Review under Regulation VI, Rule 6:1 – 6:9 of the LCAPCD, and/or Prevention of Significant Deterioration pursuant to Rule 6:4 and 40 CFR Part 52.21.

[District Rules 2:0-2:11 & 6:1-6:9-Federally Enforceable Through Title V Permit]

[40 CFR 52.21]

B. New Source Review

Any new emission unit or modification that results in an emission increase exceeding the amounts in Rule 6:4 a. shall be constructed using Best Available Control Technology. Emission offsets (Rule 6:4 b) may be required to offset annual emission increases.

[District Rule 6:4-Federally Enforceable Through Title V Permit]

C. Fees for New Source Review

Every application for or modification to an Authority to Construct or Permit to Operate is subject to fees in accordance with Regulation III.

[District Rule 3:2-Federally Enforceable Through Title V Permit]

D. Operating Permit Required

1. The owner or operator shall not operate the source except in compliance with an operating permit; however, the failure to have an operating permit is not a violation if a timely and complete application for permit issuance (including for renewal) has been submitted. This protection shall cease to apply if, subsequent to the completeness determination the applicant fails to submit by the deadline specified in writing by the LCAPCD, any additional information identified as being needed to process the application

[District Rule 2:0-Federally Enforceable Through Title V Permit]

2. Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted

[District Rule 3:2-Federally Enforceable Through Title V Permit]

III. Operating Permit issuance, renewal, reopenings, and revisions.

A. Administrative Permit Amendments, Modifications

1. The following shall be allowed as an Administrative Permit Amendment:
 - (a) Changes that correct a typographical error;
 - (b) Permit amendments that identify a minor administrative change at the stationary source; for example, a change in the name, address, or phone number of any person identified in the permit;
 - (c) Requires more frequent monitoring or reporting by a responsible official of the stationary source; or
 - (d) Transfers ownership or operational control of a stationary source, provided that, prior to the transfer, the APCO receives a written agreement which specifies a date for the transfer of permit responsibility, coverage, and liability from the current to the prospective permittee.
 - (e) Any amendments that incorporate into the operating permit the requirements from an Authority to Construct issued in compliance with LCAPCD Regulation II and Regulation VI.
2. The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.

B. Minor permit modification procedures

1. Minor permit modification procedures may be used only for those permit modifications that:
 - (a) do not violate any applicable requirement;
 - (b) do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
 - (c) do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
 - (d) do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement

2. The permittee may make the change proposed in a minor permit modification application immediately after the application is filed. The source must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time period, the source need not comply with the existing permit terms and conditions it seeks to modify. However, if the source fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced.

[District Rule 7:4-Federally Enforceable Through Title V Permit]

C. Significant modification procedures

Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative amendments. Every significant change in existing monitoring permit terms or conditions and every relaxation of reporting or recordkeeping permit terms or conditions shall be considered significant.

[District Rule 7:4-Federally Enforceable Through Title V Permit]

D. Reopening for cause.

1. The permit shall be reopened and revised under any of the following circumstances:
 - (a) Additional applicable requirements become effective and the permit expiration is 3 or more years.
 - (b) LCAPCD or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
 - (c) LCAPCD or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

[District Rule 7:6-Federally Enforceable Through Title V Permit]

IV. Equipment Lists

A. Permitted Sources

1. Each of the sources in Table 1 has been issued a permit to operate pursuant to the requirements of LCAPCD Regulation 2-1-302.

Table 1. Permitted sources at Mount Lassen Power.

S#	Description	Make or Type	Model	Capacity
S-1	Traveling Grate Stoker Boiler	Zurn	MPVC 100435	120,000 lb/hour steam 10 MW
S-2	Diesel Standby Power Generator	Cummins	500	250 kW, 313 KVA
S-3	Fuel receiving, processing storage and conveying	N/A	N/A	17 dry tons/hour
S-4	Ash handling and disposal system	N/A	N/A	620 lb/hour (wet)
S-5	Portable Tub Grinder	Morbark	1200	60 tons/hr

Note: Individual sources may not have been issued separate Lassen County APCD Operating Permits; however authority to construct support facilities and sources was a component of original construction applications.

[40 CFR 70.2]

B. Air Pollution Control Equipment

Best Available Control Technology (BACT) for this facility for the boiler emissions (S-1) shall be defined as the following air pollution control equipment: BACT

1. multiclone collector.
2. electrostatic precipitator.
3. fuel dryer.
4. gas-fired auxiliary burner for startup.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.B.1,2, & 3.]

C. Operating Permit Exempt Sources

1. The sources listed in Table 2 are not required to obtain an operating permit pursuant to Lassen County APCD regulations and are exempted from regulation in the Federal Operating Permit.

[District Rule 7.5.c.1.(q)]

Table 2. Exempted sources at Mount Lassen Power

E-#	Description	Capacity	Basis of Exemption
E-1	Diesel fuel Storage Tank	3000 gallon	No applicable rule in SIP. Non volatile organic compound.
E-2	Cooling Tower	N/A	No chromium (40 CFR 63.400) Minor source of particulate salts.
E-3	Turbine Lube Oil Tanks	500 gallons	No applicable rule in SIP. Non volatile organic compound.
E-4	Solvent cleaning tank	50 gallons	No applicable rule in SIP, small quantity.
E-5	Rolling Stock (Off-road diesel engines)	N/A	Mobile equipment, no applicable rule.
E-6	Emergency Feed-water Pump	N/A	Emergency use only

V. Operating Limitations and Requirements

A. Boiler (S-1)

1. Steam production from the boiler shall not exceed 120,000 pounds per hour on a daily (24-hour) average and 1039 million pounds per calendar year.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.D.1. & D.4.]

2. Permissible Fuels Include:

- a) Forest Biomass: wood, bark, forest wood residue, whole tree chips;
- b) Agricultural: whole tree chips, agricultural crop residues, orchard pruning and removals, stone fruit pits, nut shells, lawn yard and garden clippings, leaves;
- c) Urban/Industrial: unpainted and chemically untreated wood, wood residue, wood pallets, scrap wood furniture, mill wastes, lumber;
- d) Recycle waste wood products, limited to up to 10% by weight of total fuel;
- e) Waste wood roofing shakes (with tar paper component), limited to up to 10% by weight of total fuel;
- f) Waste activated carbon, obtained only from the filtration of municipal drinking water, limited to up to 1% by weight of total fuel input. Waste activated carbon must not be classified as hazardous waste based on federal, state, or local regulations. Material Safety Data Sheets and Material Characterization Forms pertaining to waste activated carbon shall be kept onsite;
- g) Auxiliary fuel: Only propane may be fired as an auxiliary fuel at this facility.
- h) Additional fuels may be approved for use by EPA Region IX upon written request by the owner/operator to add an unlisted fuel, provided that the owner/operator can demonstrate that the emissions of pollutants, including criteria pollutants and hazardous air pollutants, will not significantly increase, and that the boiler is designed to accommodate such fuel without modification. EPA Region IX will issue a public notice in the affected area, according to the requirements of 40 CFR 52.21(q) and 40 CFR 124.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.D.2. & D.3.]

3. Emission Controls: This facility shall be equipped with and continuously operate at all times during any fuel combustion, multiclones and an electrostatic precipitator for the control of particulate emissions from the boiler.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.B.1.]

4. Fuel Dryer: The facility shall be equipped with a fuel dryer for the purpose of improving the boiler combustion characteristics. Upon written request (Attn: AIR-3) from the owner/operator, EPA may approve the suspension of operation of the fuel dryer during periods when sufficient dry fuel is available. Prior to granting this approval, EPA will require from the owner/operator adequate justification including an EPA approved testing program demonstrating no adverse effects on boiler emissions when the dryer is not in operation.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.B.2.]

5. Startup burners: This facility shall be equipped with a gas fired auxiliary burner for use during periods of startup. The heat input from auxiliary fuel shall be less than 10% of heat input in any 12-month period.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.B.3.]

B. Diesel Powered Standby Generator (S-2)

1. Operating Conditions
 - (a) The standby generator shall be operated in accordance with manufacturer guidelines for maintenance, timing and fuel quality. Only non-road diesel fuel approved for use in the State of California shall be used.
 - (b) The standby generator shall be used to supply supplemental power to the facility for startup and internal load. Use of the generator for the purpose of providing supplemental peak power generation when the boiler is operational is prohibited.

[District Rule 7:4.e.1.(a)-Federally Enforceable Through Title V Permit]

2. Opacity from the standby generator shall not exceed 40% as determined by Reference Method 9.

[District Rule 7:4.e.1.(a)-Federally Enforceable Through Title V Permit]

C. Other Applicable Regulations

1. The owner/operator shall construct and operate the stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations.

[District Rule 7:4.e.-Federally Enforceable Through Title V Permit]

2. The owner/operator shall meet all applicable requirements of 40 CFR Part 60, Subparts A and Db.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.K.]

VI. Emission Limits

A. Boiler emissions (S-1)

Except during startup or shutdown, the owner or operator shall not discharge or cause the discharge into the atmosphere from the boiler, gases that exceed the following limits:

1. Exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.E.2.]

2. Particulate Matter (TSP) in excess of 8.0 lbs/hour or 0.02 gr/dscf corrected to 12% CO₂, (3-hour average) whichever is more stringent.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.E.1.]

3. Nitrogen Oxides (as NO₂) in excess of 33 lbs/hour, or 100 ppm dry volume corrected to 12% CO₂, (24-hour rolling average) whichever is more stringent.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.F.]

4. Carbon Monoxide (CO) in excess of 314 lbs/hour, or 1530 ppm dry volume corrected to 12% CO₂, (24-hour rolling average) whichever is more stringent.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.F.]

5. Hydrocarbons (VOC) in excess of 37.4 lbs/hour (3-hour average). [Enforceable limit for Lassen County APCD (only) is 20.0 lbs./hr.]

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.H.]

6. Oxides of Sulfur (as SO₂) in excess of 6.0 lbs/hour (3-hour average).

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.G.]

B. Fugitive Dust Emissions (S-3, S-4, S-5)

1. Reasonable precautions shall be taken to prevent particulate matter from becoming airborne, including but not limited to the following provisions:
 - (a) Covering open bodied trucks used to transport fuel or ash.
 - (b) The application of asphalt, or dust suppressants to dirt roads, material stockpiles, land clearing, excavation, grading or other surfaces that can give rise to airborne dusts.
 - (c) The prompt removal of earth, fuel, ash or other material from paved streets.

- (d) Opacity from fugitive dust caused by operations including fuel handling, ash handling, and mobile equipment shall not exceed 40% beyond the facility boundary.

[District Rule 4:18-Federally Enforceable Through Title V Permit]

C. Revised Emission Limits

- 1. If any emission limit is revised by EPA Region IX, the difference between the emission limit initially set and a revised lower emission limit shall not be allowed as an emission offset for future construction or modification.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.I.]

VII. Monitoring and Performance Testing

A. Continuous Emission Rate Monitoring

1. A continuous emissions monitoring system (CEMS) to measure stack gas opacity, NO_x, CO and CO₂ concentrations and continuous monitoring system to measure stack gas volumetric flow rate shall be used and maintained.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.1. & 2.]

2. The CEMs monitoring system shall meet the applicable performance specification requirements in 40 CFR 60.13, and 40 CFR Part 60, Appendix B or shall meet equivalent specifications established by mutual agreement with the District and the EPA..

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.1.a] [40 CFR 60.13 & Appendix B]

3. The owner or operator shall maintain a written quality assurance plan for the certification and operations of the continuous emission monitors. The plan shall conform to Appendix F to 40 CFR Part 60.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.6.]

4. An annual Relative Accuracy Test Audit (RATA) shall be performed to demonstrate that continuous emissions monitors and the stack gas volumetric flow rate monitor meet all applicable requirements in 40 CFR 60.13 and 40 CFR 60, Appendix B, Specifications 2,3, 4 and 6.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.1.a.]

5. The CEMs shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period and be connected to a data logging device or chart recorder capable of producing a printout of corrected average hourly and 24-hour average emission concentrations and mass emissions rates.

[40 CFR 60.13]

6. The owner or operator shall monitor steam production on a daily basis.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.D.1.]

B. Continuous Opacity Monitoring

1. The owner or operator shall install, calibrate, maintain, and operate a continuous opacity monitoring system (COMS) for measuring the stack opacity of emissions discharged to the atmosphere and record the output of the system.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.2.]

2. The COMS shall comply with Performance Specification 1 in Appendix B to 40 CFR Part 60 or shall meet equivalent specifications established by mutual agreement with the District and the EPA.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.2.]

3. The COMS shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period and shall be connected to a data logging device or chart recorder capable of producing a printout of emissions.

[40 CFR 60.13]

C. Performance Source Tests

1. Within 60 days after achieving the maximum production rate of the proposed equipment, but no later than 180 days after initial startup of equipment, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator shall conduct performance tests for NO_x, CO, SO₂, Particulate matter (TSP) and hydrocarbons (VOC) and furnish the Lassen County Air Pollution Control District and the EPA a written report of the operating conditions and fuel mix of the boiler during the performance tests and the results of such tests. After initial startup, performance tests for each pollutant shall be conducted on an annual basis, for the duration of its pollutant-specific averaging time, at the maximum operating capacity of the boiler. Upon written request (Attn: AIR-3) from the owner/operator, EPA may approve the conducting of performance tests at a lower specified production rate.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.C.1. & C.2.]

2. Notification of source tests shall be provided at least 30 days prior to any compliance source testing, and the owner shall submit a source test plan for District approval 15 days prior to source sampling.

[40 CFR 60.8(d)] [District Rule XX-Federally Enforceable Through Title V Permit]

3. Performance tests shall be conducted based on representative performance of the affected facility. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test.

[District Rule 2:11-Federally Enforceable Through Title V Permit]

4. Performance tests for NO_x shall be conducted using EPA Reference Methods (RM) 1-4 and Method 7E. Particulate Matter shall be determined using EPA RM 5 (front half only). CO shall be determined using EPA RM 10. VOC shall be determined using EPA RM 25A. Methane, ethane, and other exempt VOCs, pursuant to 40 CFR 51.100(s)(1), may be quantified by EPA Method 18 and subtracted from the total VOC emission rate measured by EPA Method 25A. Oxides of Sulfur (as SO₂) shall be determined using EPA RM 6C. The owner/operator may use RATA tests for NO_x or CO CEMs to satisfy the requirements for annual performance testing for NO_x and CO provided that the RATA tests are in compliance with all requirements and passed all tests pursuant to 40 CFR Part 60 Appendix B Performance Specifications 2 or 4 and 40 CFR 60 Appendix F.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.C.1. & C.3.]

5. Each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may be determined using the arithmetic mean of the results of the two other runs.

[District Rule 2:11-Federally Enforceable Through Title V Permit]

D. Opacity Monitoring (S-2)

1. The standby generator shall be inspected at least once each year by a qualified observer as defined in Reference Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources. The inspector shall maintain field records and perform the observations as required by the method.

[District Rule 4:0-Federally Enforceable Through Title V Permit]

2. A copy of the field records shall be maintained at the facility, available for inspection.

[District Rule 4:0-Federally Enforceable Through Title V Permit]

VIII. Notifications and Reporting

A. Excess Emissions Reports

1. The Owner or operator shall submit a written report of excess emissions every calendar quarter. The report shall include:
 - (a) The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The process operating time during the reporting period.
 - (b) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted.
 - (c) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.
 - (d) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.4.]

2. Excess emissions indicated by the continuous emissions monitors or any performance source test, shall be considered violations of the applicable emission limits for the purposes of this permit, except during normal startup and shutdown as provided below.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.4.f.]

3. Excess emissions shall be defined as:
 - (a) Any six-minute block period during which the opacity as measured by Method 9 or the continuous monitoring system exceeds the opacity limits set in conditions V.B.2 (standby generator), or VI.A.1 (boiler); and
 - (b) Any three hour period during which the average emissions of particulate matter, hydrocarbons (VOC), or SO₂ as measured by a reference test method during performance source testing exceeds the emission limitations in Conditions VI.A.2 through VI.A. 6; and
 - (c) Any 24-hour period during which the average emissions of NO_x and or CO as measured by the continuous emissions monitoring system exceed the emission limitations in Section VI.A of this permit.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.4.e.]

4. Startup Definition

Startup shall be considered that period of time during which the boiler is heated to operating temperature at steady state load from a lower temperature, not to exceed 24 hours. This does not include any utility curtailment load ramping between 75 and 100%. If curing of the refractory is required after furnace repair or modification, startup time may be extended to no longer than 60 hours.

[District Rule 2:9-Federally Enforceable Through Title V Permit]

5. Shutdown Definition

Shutdown shall be considered that period of time during which the boiler is allowed to cool from its operating temperature at steady state load to a lower temperature not to exceed 8 hours. This does not include utility load ramping between 75 and 100%.

[District Rule 2:9-Federally Enforceable Through Title V Permit]

6. Reporting format and submittal

The summary report form shall contain the information and be in the format shown in figure 1 of 40 CFR Part 60.7(d) unless otherwise agreed by LCAPCD or EPA. The summary report form shall be submitted for each pollutant monitored at each affected facility.

- (a) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in §60.7(c) need not be submitted unless requested by the Administrator.
- (b) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in §60.7(c) shall both be submitted.
- (c) The quarterly report shall be postmarked by the 30th day following the end of each calendar quarter and submitted to EPA (Attn: A-3-3) and the Lassen County Air Pollution Control District.

[40 CFR 60.7]

7. Transfer of Ownership

In the event of any changes in control or ownership of the facility, the conditions of the original Prevention of Significant Deterioration Approval to Construct/Modify (PSD permit) issued by EPA Region IX for this facility on November 20, 1986 and all applicable revisions made by EPA Region IX shall be binding on all subsequent owners and operators. The current owner/operator shall notify the succeeding

owner and operator of the existence of the Approval to Construct/Modify and its conditions by letter, a copy of which shall be forwarded to the Regional Administrator and the State and local Air Pollution Control Agency.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition VI.]

B. Performance Source Test Reporting

The owner or operator shall furnish a copy of any performance source tests results to Lassen County Air Pollution Control District and the EPA a written report of the results of such tests.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.C.1.]

C. Breakdown Reporting

1. The owner or operator shall notify the Lassen County APCO of any breakdown or malfunction that causes excess emissions or violates any provision of this permit as soon as reasonably possible. The EPA Regional Administrator shall be notified by telephone within 48 hours following any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in Section VI of these conditions.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IV.]

2. A written report of any breakdown or malfunction shall be submitted to the Lassen County APCD and the EPA Regional Administrator within 10 days after the breakdown occurrence has been corrected. The report shall include a description of the malfunctioning equipment or abnormal operation, the date of the initial failure, information on the duration of excess emissions, an estimate of the quantity of excess emissions, a statement of the cause of the occurrence, the methods utilized to restore normal operations, and corrective measures taken to prevent a reoccurrence. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause.
 - (a) The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 2:15 of the District's Rules and Regulations, by following the procedures contained in Regulations 2:15b1. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 2:15.
 - (b) The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit caused by conditions beyond the permit holder's reasonable control by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance

relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval.

- (c) Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement unless the Major Facility Review Permit has been modified pursuant to Regulations II, and VI and provisions for modification contained herein.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IV.] [District Rule XX-Federally Enforceable Through Title V Permit]

D. Steam Production Reporting

1. The Owner or operator shall submit a written report of the mass flow rate of steam produced for each calendar quarter. The steam flow rate shall be expressed in units of pounds per hour.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.4.g.]

E. Compliance Certification

1. Compliance certifications shall be submitted annually by the responsible official of this facility to the Lassen County Air Pollution Control District and to the Environmental Protection Agency. The Annual compliance certification shall contain:
 - (a) A statement of methods used for determining compliance, including a description of monitoring, recordkeeping, and reporting requirements and test methods;
 - (b) A certification by a responsible official shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[District Rule 7:5-Federally Enforceable Through Title V Permit]

IX. Recordkeeping

1. The owner or operator shall record and maintain records of the amounts of each permissible fuel received and combusted during each day and calculate the annual capacity factor individually for propane, and solid fuel, and any other fuel utilized for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.D.5.] [40 CFR 60.49b(d)]

2. The owner or operator shall record and maintain records of the temperature, pressure and mass flow (pounds per hour) of the steam produced and the plant hours of operation. All information shall be recorded in a permanent form suitable for inspection. The file shall be retained for at least five years following the date of such measurements, calculation and record.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.D.5.]

3. The owner or operator shall maintain a record of the occurrence and duration of any startup, shutdown or malfunction in the operation of the facility, any malfunction of the air pollution control equipment or any periods during which a continuous monitoring system or monitoring device is inoperative.

[District Rule 2:15.b.-Federally Enforceable Through Title V Permit] [PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.4.c.]

4. The owner or operator shall maintain a record of all measurements, including continuous monitoring measurements, all continuous monitoring system performance evaluations, all continuous monitoring system or monitoring device calibration checks, adjustments and maintenance performed on these systems or devices; fuel moisture content of daily composite fuel samples; and all other information required by 40 CFR Part 60, recorded in a permanent form suitable for inspection. The file shall be retained for at least five years following the date of measurements, maintenance, reports and records.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.J.5.][40 CFR 60]

X. Additional Recordkeeping and Reporting Requirements Pursuant to 40 CFR 52.21(r)(6)

1. Before commencing operation pursuant to the PSD permit modification of September 10, 2007, the owner/operator shall document, maintain, and provide a copy to EPA Region IX of the following information:
 - a. A description of the project
 - b. Identification of the wood-fired boiler located at Mount Lassen Power

- c. A description of the applicability test used to determine that the project is not a major modification for CO and VOC, including baseline actual emissions, the projected actual emissions, the amount of emissions excluded under 40 CFR 52.21(b)(41)(ii)(c) and an explanation for why such amount was excluded, and any netting calculations, if applicable.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.N.1.]

2. The owner/operator shall:

- a. monitor the emissions of CO and VOC pursuant to conditions VII.A.1-5. for CO and VII.C.1 & VIIC.4 for VOC; and
- b. calculate and maintain a record of the annual emissions, in tons per year on a calendar basis, for a period of 5 years following the issuance of the PSD permit modification for the project

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.N.2.]

2. The owner/operator shall submit a report to EPA Region IX (AIR-3) within 60 days after the end of each calendar year. The report shall include the records which must be generated pursuant to Condition X.2 (b), setting out the unit's annual emissions during the calendar year that preceded the submission of the report.

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.N.3.]

3. The owner/operator shall make the information required to be documented and maintained available for review upon a request for inspection by the EPA or the general public pursuant to the requirements contained in 40 CFR 70.4(b)(3)(viii).

[PSD Permit #NSR 4-2-2, NE 86-01, Condition IX.N.4.]